CAV1 Antibody

Catalog No: #37401

Package Size: #37401-1 50ul #37401-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

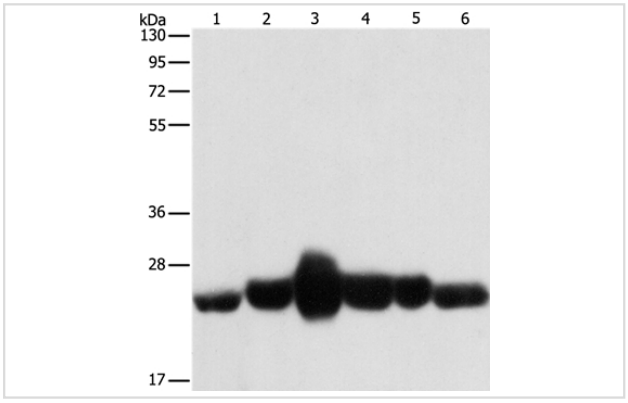
Product Name	CAV1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total CAV1 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to residues near the N terminal of human caveolin 1, caveolae protein, 22kDa
Target Name	CAV1
Other Names	CGL3; PPH3; BSCL3; VIP21; MSTP085
Accession No.	Swiss-Prot#: Q03135NCBI Gene ID: 857Gene Accssion: NP_001744
SDS-PAGE MW	20kd
Concentration	2.2mg/ml
Formulation	Rabbit IgG in pH7.3 PBS, 0.05% NaN3, 50% Glycerol.
Storage	Store at -20°C

Application Details

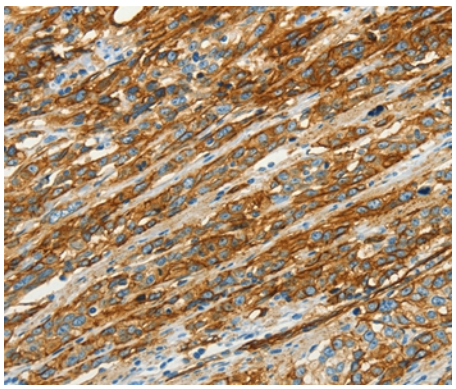
Western blotting: 1:1000-1:5000

Immunohistochemistry: 1:50-1:200

Images



Gel: 10%SDS-PAGE
Lysates (from left to right): Human fetal muscle and fetal lung tissue, human leiomyosarcoma tissue, mouse lung and heart tissue, NIH/3T3 cell
Amount of lysate: 40ug per lane
Primary antibody: 1/550 dilution
Secondary antibody dilution: 1/8000
Exposure time: 10 seconds



Immunohistochemical analysis of paraffin-embedded Human esophagus cancer tissue using #37401 at dilution 1/40.

Background

The scaffolding protein encoded by this gene is the main component of the caveolae plasma membranes found in most cell types. The protein links integrin subunits to the tyrosine kinase FYN, an initiating step in coupling integrins to the Ras-ERK pathway and promoting cell cycle progression. The gene is a tumor suppressor gene candidate and a negative regulator of the Ras-p42/44 mitogen-activated kinase cascade. Caveolin 1 and caveolin 2 are located next to each other on chromosome 7 and express colocalizing proteins that form a stable hetero-oligomeric complex. Mutations in this gene have been associated with Berardinelli-Seip congenital lipodystrophy. Alternatively spliced transcripts encode alpha and beta isoforms of caveolin 1.

Published Papers

el at., PTBP3 contributes to the metastasis of gastric cancer by mediating CAV1 alternative splicing.In Cell Death Dis.On 2018 May 1 by PMID: 29752441 , , (2018)

PMID:29752441

Note: This product is for in vitro research use only and is not intended for use in humans or animals.